

Quiz

Name:

Class:

1. Use the following numbers for the questions below.

11 15 22 33 32 17 22 7 0 2 18 19 23 44 41 27 7

Make a stem and leaf plot in the space provided below.

Title/Headings → Stem and leaf plot for the given data

tens	units
0	0 2 7 7 9
1	1 5 7 8 9
2	2 2 3 7
3	2 3
4	1 4

What is the

a) Mode? = appears the most of time = 7, 22

b) Median? = (the 9th and 10th term) ÷ 2 = (18 + 19) ÷ 2 = 18.5

c) Mean? = $(0 + 2 + 7 \times 2 + 9 + 11 + 15 + 17 + 18 + 19 + 22 + 22 + 23 + 27 + 32 + 33 + 41 + 44) \div 18$
 $= 349 \div 18 = 19.38 \approx 19.4$

2. Make a tally sheet and horizontal frequency graph for the following MYP scores

1 1 2 1 3 2 4 5 1 7 6 6 6 6 5 4 3 3 4 3 4 6 5 7

|| bar graph with frequency as horizontal axis (x-axis)

(a)

MYP Scores	Tally	Frequency
1		4
2		2
3		4
4		4
5		3
6		5
7		2
	Total:	24

What is the

a) Mode?

b) Median?

c) Mean?

a) Mode = 6 (most students get 6)

b) Median = the 12th term
 = 4

c) Mean = $(4 \times 1 + 2 \times 2 + 4 \times 3 + 4 \times 4 + 3 \times 5 + 5 \times 6 + 2 \times 7) \div 24$
 $= (4 + 4 + 12 + 16 + 15 + 30 + 14) \div 24$
 $= 95 \div 24$
 $= 3.96 \text{ (2.d.p.)}$

